FIG. 1

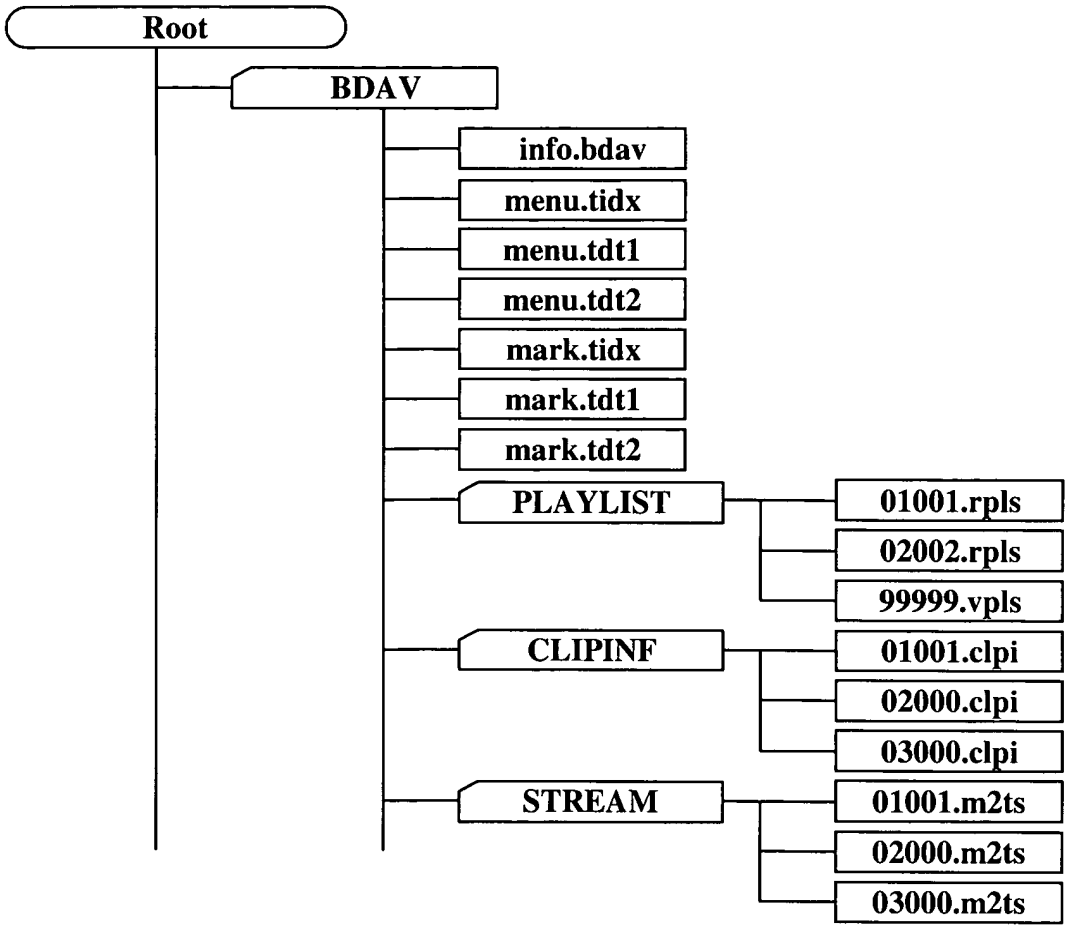

Root
BDAV
info.bdav
menu.tidx
menu.tdt1
menu.tdt2
mark.tidx
mark.tdt1
mark.tdt2
PLAYLIST
01001.rpls
02002.rpls
99999.vpls
CLIPINF
01001.clpi
02000.clpi
03000.clpi
STREAM
01001.m2ts
02000.m2ts
03000.m2ts

FIG. 2

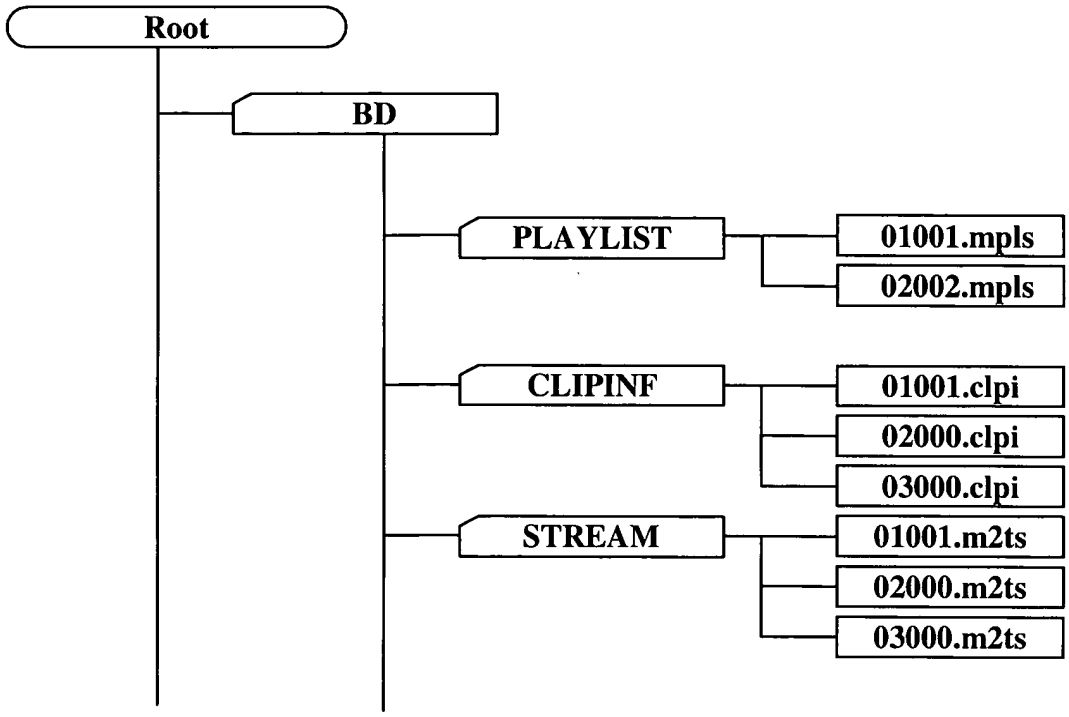

Root
BD
PLAYLIST
01001.mpls
02002.mpls
CLIPINF
01001.clpi
02000.clpi
03000.clpi
STREAM
01001.m2ts
02000.m2ts
03000.m2ts

FIG. 3

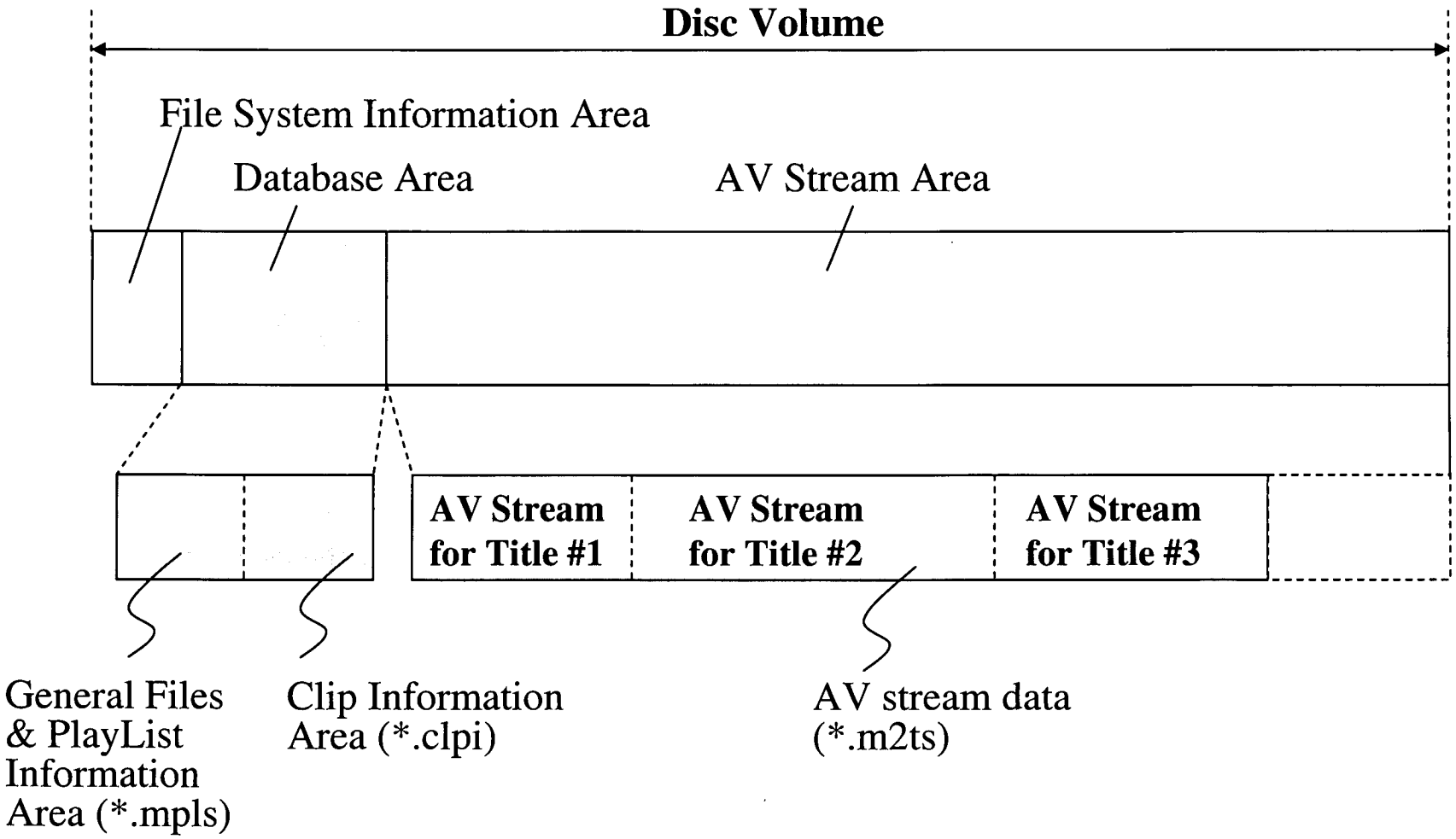

Disc Volume
File System Information Area
Database Area
AV Stream Area
AV Stream for Title #1
AV Stream for Title #2
AV Stream for Title #3
General Files & PlayList Information Area (*.mpls)
Clip Information Area (*.clpi)
AV stream data (*.m2ts)

FIG. 4

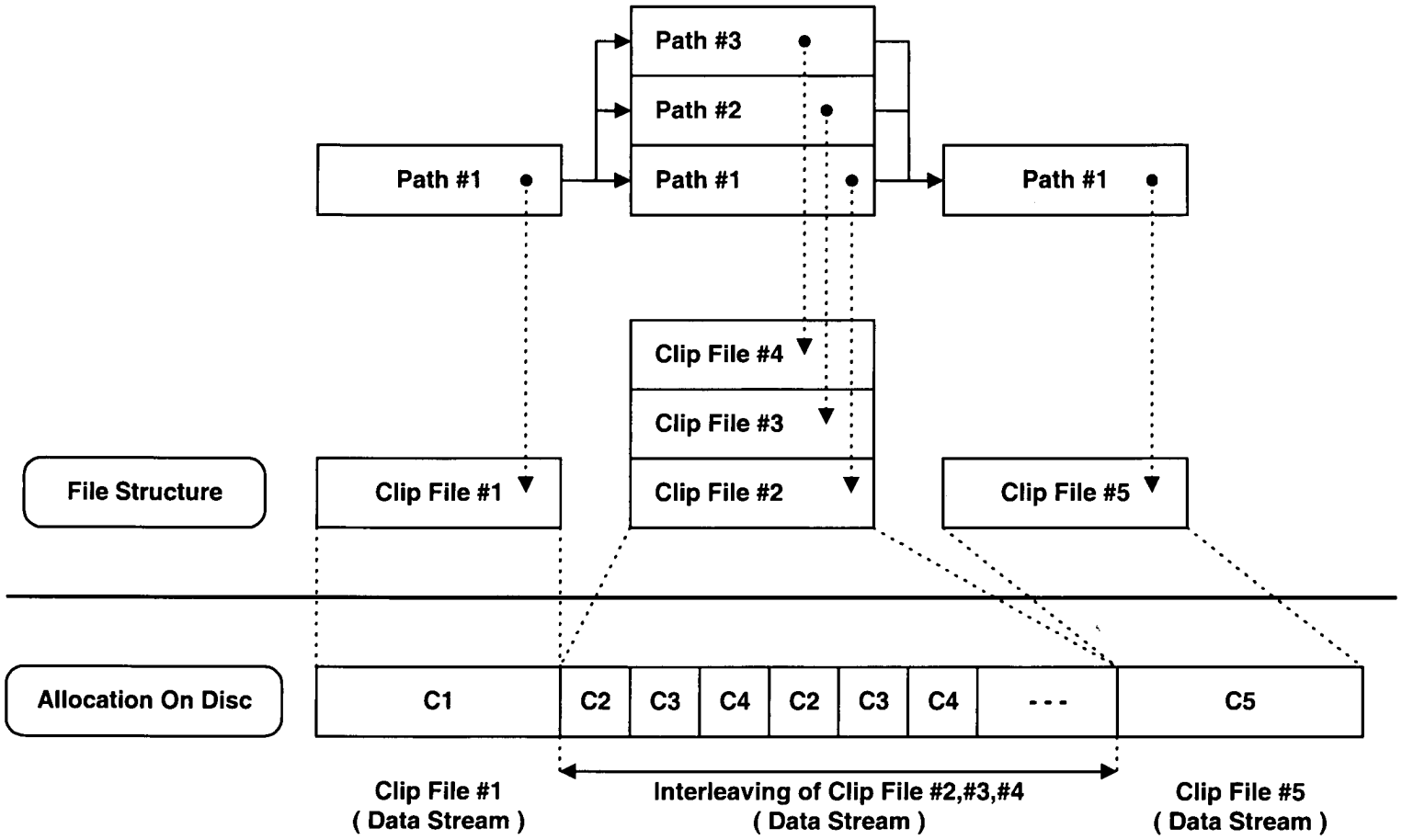

Path #3
Path #2
Path #1
Path #1
Path #1
Clip File #4
Clip File #3
Clip File #2
File Structure
Clip File #1
Clip File #5
Allocation On Disc
C1
C2
C3
C4
C2
C3
C4
- - -
C5
Clip File #1
(Data Stream)
Interleaving of Clip File #2,#3,#4
(Data Stream)
Clip File #5
(Data Stream)

FIG. 5

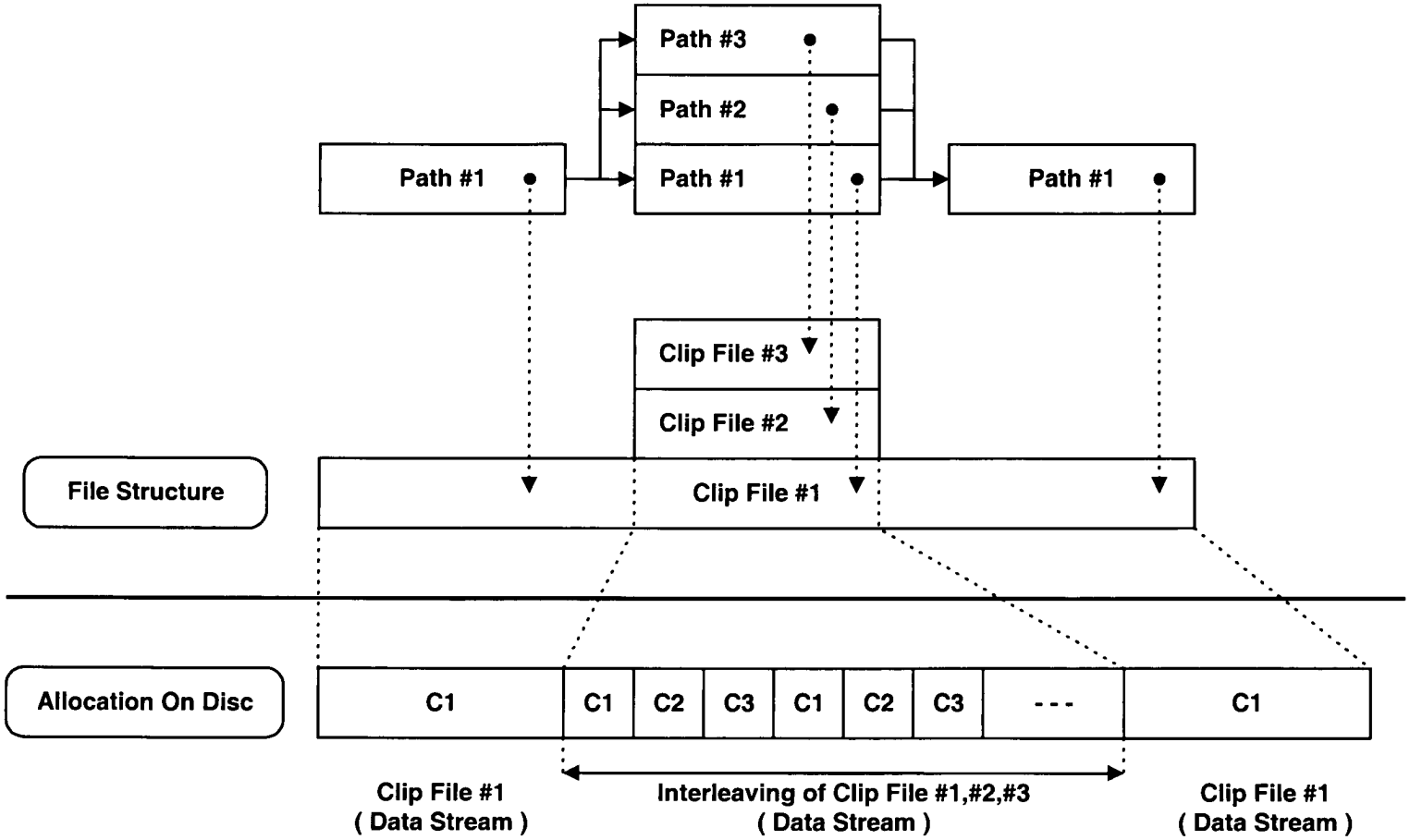

Path #3
Path #2
Path #1
Path #1
Path #1
Clip File #3
Clip File #2
File Structure
Clip File #1
Allocation On Disc
C1
C1
C2
C3
C1
C2
C3
- - -
C1
Clip File #1
(Data Stream)
Interleaving of Clip File #1,#2,#3
(Data Stream)
Clip File #1
(Data Stream)

FIG. 6

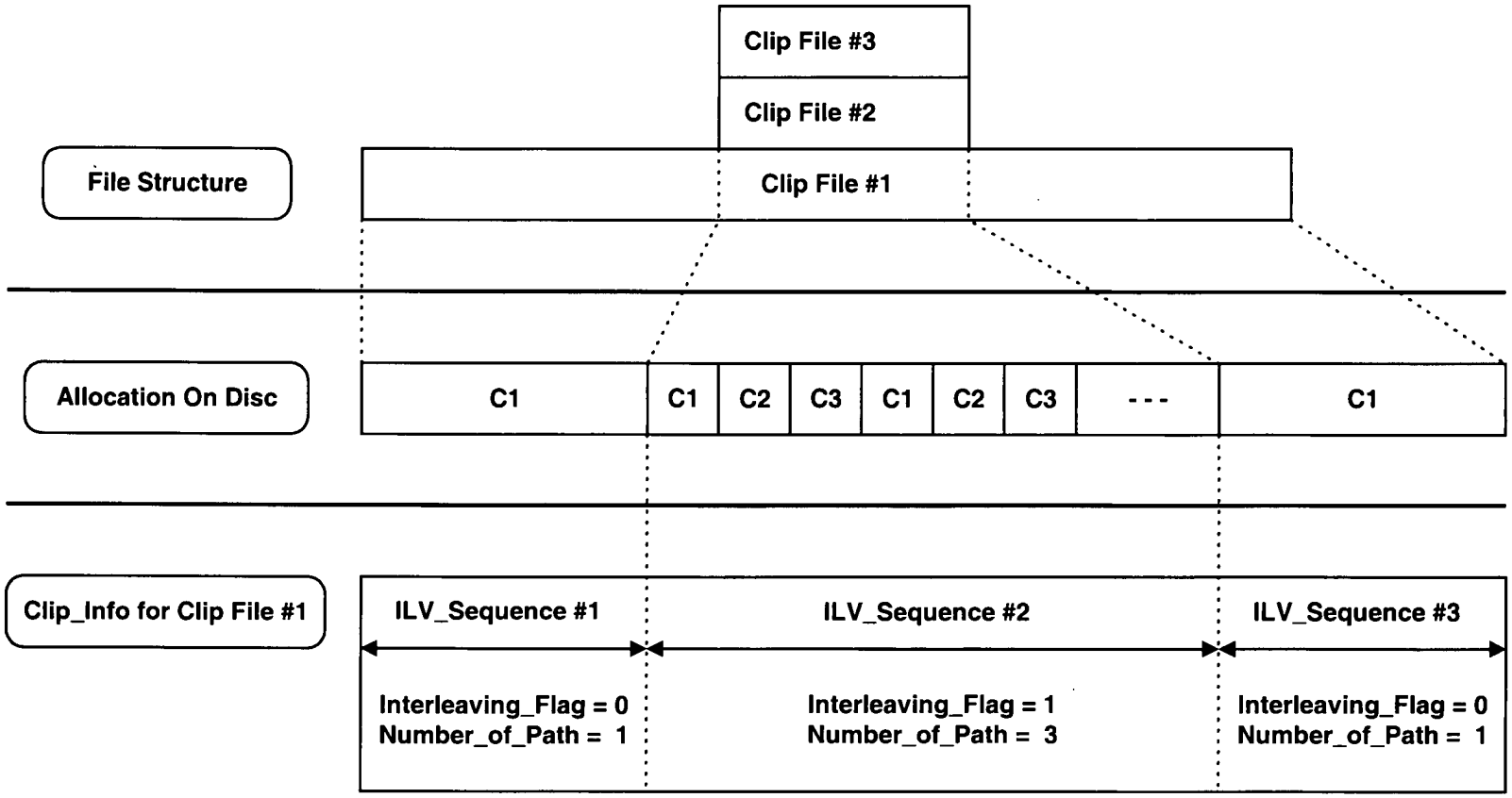

Clip File #3
Clip File #2
File Structure
Clip File #1
Allocation On Disc
C1
C1
C2
C3
C1
C2
C3
- - -
C1
Clip_Info for Clip File #1
ILV_Sequence #1
ILV_Sequence #2
ILV_Sequence #3
Interleaving_Flag = 0
Number_of_Path = 1
Interleaving_Flag = 1
Number_of_Path = 3
Interleaving_Flag = 0
Number_of_Path = 1

FIG. 7

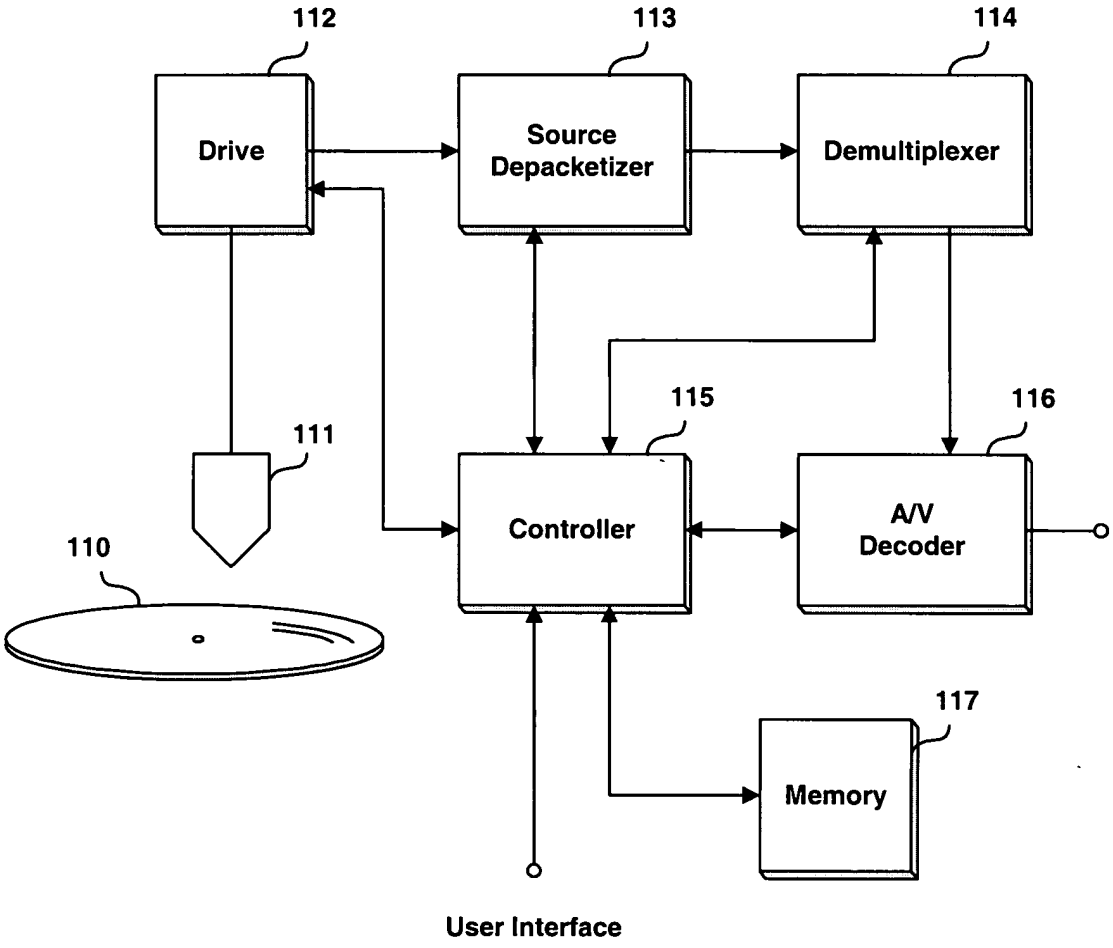
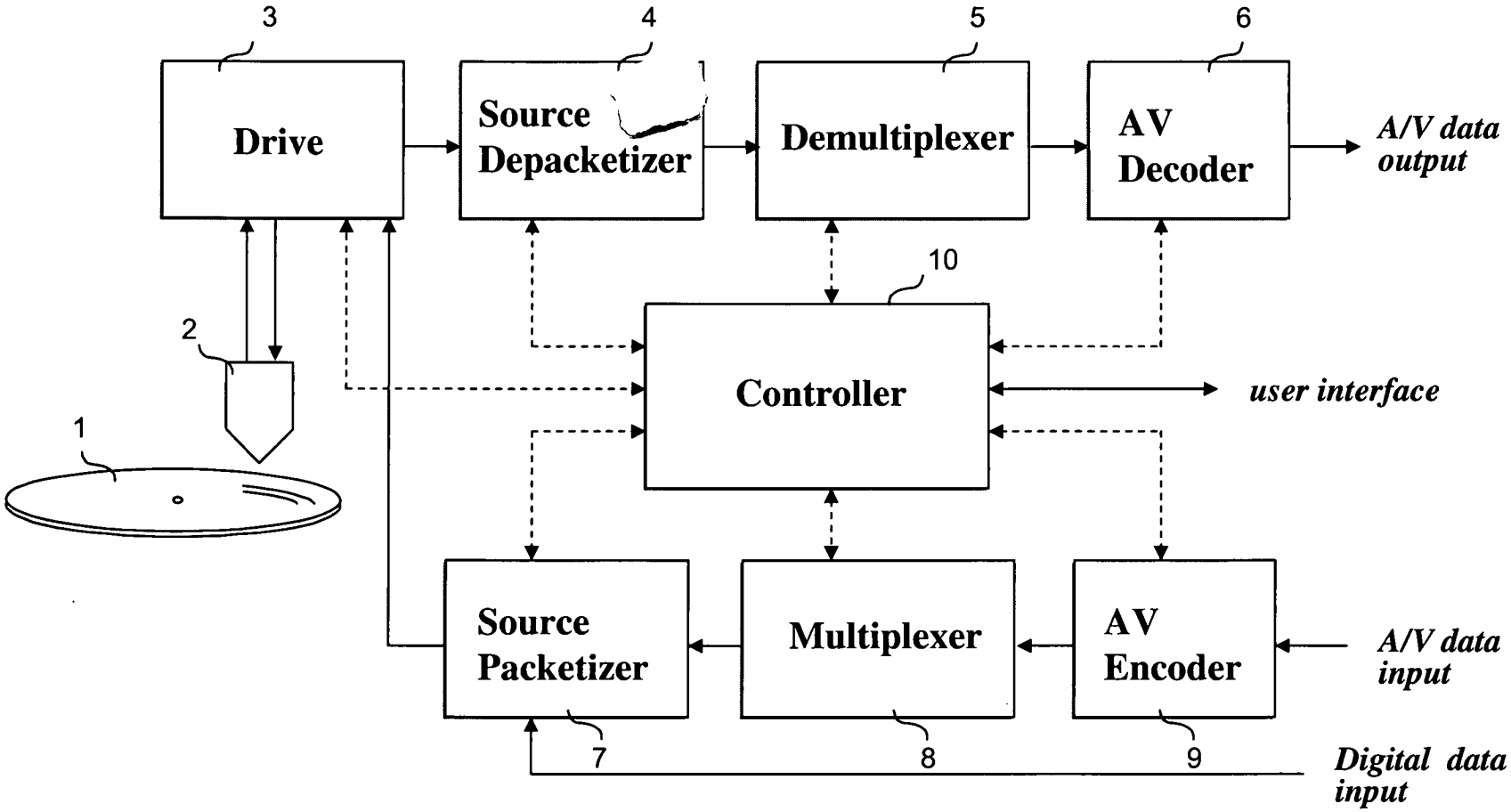

112
113
114
Drive
Source Depacketizer
Demultiplexer
115
116
111
110
Controller
A/V Decoder
117
Memory
User Interface

FIG. 8


3
4
5
6
Drive
Source Depacketizer
Demultiplexer
AV Decoder
A/V data output
10
2
Controller
user interface
1
Source Packetizer
Multiplexer
AV Encoder
A/V data input
7
8
9
Digital data input